



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 5

Test Date: March 2009
Code: 12291610
SAU: MSAD 35
School: Marshwood Great Works School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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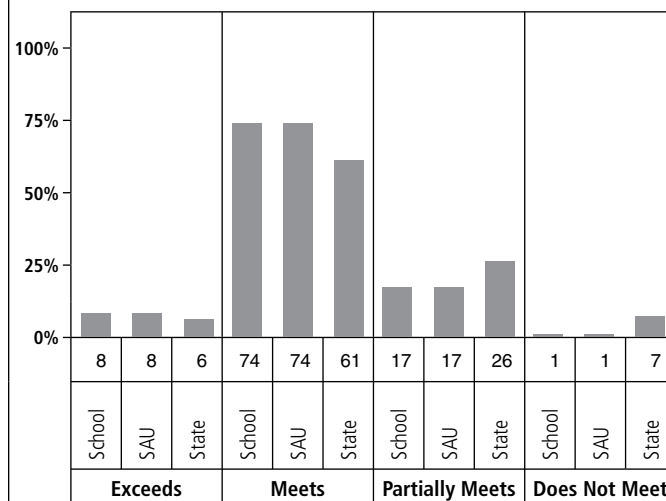
SUMMARY OF SCORES

Test Date: March 2009
Grade: 5
SAU: MSAD 35
School: Marshwood Great Works School

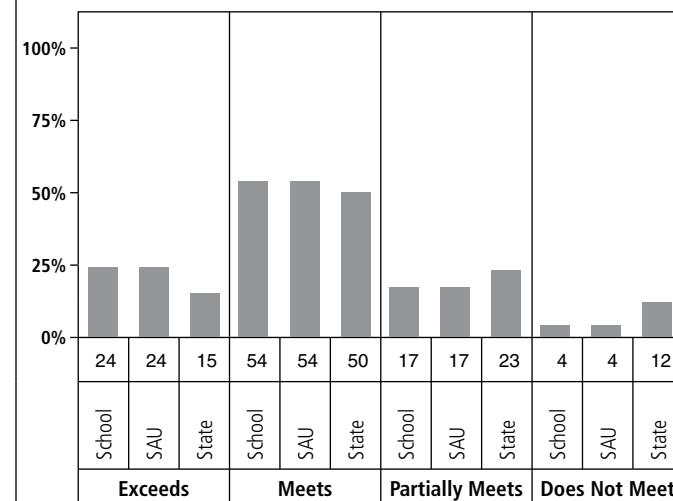
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	545	545	544
2007–2008	548	548	545
2008–2009	549	549	546
Cum. Avg.*	547	547	545
Mathematics			
2006–2007	549	549	546
2007–2008	554	554	546
2008–2009	553	553	547
Cum. Avg.*	552	552	546
Science			
2008–2009 **	546	546	543

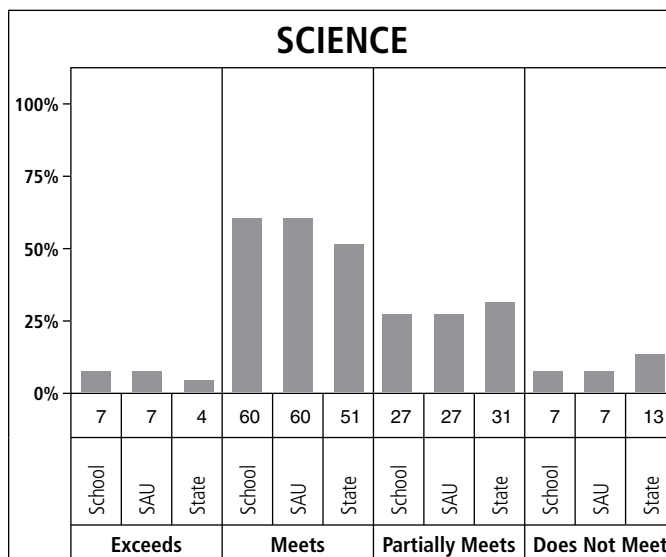
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

**Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 5
SAU: MSAD 35
School: Marshwood Great Works School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	185	100	185	100	14212	100	184	99	184	99	14135	100	184	99	184	99	14144	100	184	99	184	99	14137	100
Ethnicity African American/Black	2	1	2	1	397	3	2	100	2	100	388	98	2	100	2	100	393	99	2	100	2	100	389	98
American Indian or Native Alaskan	1	1	1	1	110	1	1	100	1	100	110	100	1	100	1	100	110	100	1	100	1	100	110	100
Asian or Pacific Islander	0	0	0	0	259	2	0	0	0	0	253	98	0	0	0	0	258	100	0	0	0	0	257	99
Hispanic	1	1	1	1	175	1	1	100	1	100	172	99	1	100	1	100	172	99	1	100	1	100	173	99
Caucasian/White	181	98	181	98	13271	93	180	99	180	99	13212	100	180	99	180	99	13211	100	180	99	180	99	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	23	12	23	12	2479	17	23	100	23	100	2454	100	23	100	23	100	2455	100	23	100	23	100	2451	99
Current LEP	0	0	0	0	374	3	0	0	0	0	359	96	0	0	0	0	370	99	0	0	0	0	366	98
Economically disadvantaged	21	11	21	11	5848	41	21	100	21	100	5815	100	21	100	21	100	5819	100	21	100	21	100	5812	100
Migrant	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	167	90	167	90	10849	76	166	90	166	90	10872	76	166	90	166	90	10976	77
Identified disability (PET/IEP)	7	4	7	4	298	3	6	4	6	4	307	3	6	4	6	4	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	2	1	2	1	123	1	2	1	2	1	121	1	2	1	2	1	126	1
Participation with accommodations	17	9	17	9	3122	22	18	10	18	10	3124	22	18	10	18	10	3019	21
Identified disability (PET/IEP)	16	94	16	94	1992	64	17	94	17	94	2000	64	17	94	17	94	1971	65
LEP	0	0	0	0	184	6	0	0	0	0	196	6	0	0	0	0	184	6
504 plan	1	6	1	6	84	3	1	6	1	6	86	3	1	6	1	6	81	3
Other	0	0	0	0	907	29	0	0	0	0	886	28	0	0	0	0	826	27
Participation through alternate assessment (PAAP)	0	0	0	0	164	1	0	0	0	0	148	1	0	0	0	0	142	1
Identified disability (PET/IEP)	0	0	0	0	164	100	0	0	0	0	148	100	0	0	0	0	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	0	0	0	0	19	0	0	0	0	0	19	0	0	0	0	0	20	0
Non-participation – other	1	1	1	1	58	0	1	1	1	1	49	0	1	1	1	1	55	0

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 35
School: Marshwood Great Works School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	4	2	4	2	702	5
	2007-2008	9	5	9	5	659	5
	2008-2009	14	8	14	8	836	6
	Cum. Total*	27	5	27	5	2197	5
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	92	57	92	57	7730	55
	2007-2008	137	72	137	72	8195	58
	2008-2009	136	74	136	74	8495	61
	Cum. Total*	365	68	365	68	24420	58
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	53	33	53	33	4182	30
	2007-2008	39	20	39	20	3800	27
	2008-2009	32	17	32	17	3667	26
	Cum. Total*	124	23	124	23	11649	28
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	12	7	12	7	1419	10
	2007-2008	6	3	6	3	1362	10
	2008-2009	2	1	2	1	973	7
	Cum. Total*	20	4	20	4	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	33.4	69.6	33.4	69.6	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	16.5	68.8	16.5	68.8	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	16.9	70.4	16.9	70.4	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: MSAD 35
 School: Marshwood Great Works School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	184	14	8	136	74	32	17	2	1	549	184	8	74	17	1	549	13971	6	61	26	7	546
Ethnicity																						
African American/Black	2										2						381	2	44	31	23	540
American Indian or Native Alaskan	1										1						110	0	48	38	14	541
Asian or Pacific Islander	0										0						252	11	58	21	11	547
Hispanic	1										1						166	4	54	32	10	543
Caucasian/White	180	14	8	132	73	32	18	2	1	549	180	8	73	18	1	549	13062	6	62	26	6	546
Not Reported	0										0						0					
Identified disability																						
Yes	23	1	4	10	43	10	43	2	9	542	23	4	43	43	9	542	2290	0	29	47	23	537
No	161	13	8	126	78	22	14	0	0	550	161	8	78	14	0	550	11681	7	67	22	4	548
Current LEP																						
Yes	0										0						354	1	35	34	30	538
No	184	14	8	136	74	32	17	2	1	549	184	8	74	17	1	549	13617	6	61	26	6	546
Economically disadvantaged																						
Yes	21	0	0	17	81	4	19	0	0	548	21	0	81	19	0	548	5716	2	51	35	12	542
No	163	14	9	119	73	28	17	2	1	549	163	9	73	17	1	549	8255	9	67	20	4	548
Migrant																						
Yes	0										0						8	0	38	25	38	538
No	184	14	8	136	74	32	17	2	1	549	184	8	74	17	1	549	13963	6	61	26	7	546
Gender																						
Female	103	10	10	72	70	20	19	1	1	550	103	10	70	19	1	550	6882	8	62	24	6	547
Male	81	4	5	64	79	12	15	1	1	548	81	5	79	15	1	548	7089	4	60	28	8	545
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1914	1	41	44	14	540
No	184	14	8	136	74	32	17	2	1	549	184	8	74	17	1	549	12057	7	64	23	6	547
Gifted/talented program																						
Yes	0										0						450	26	72	2	0	557
No	184	14	8	136	74	32	17	2	1	549	184	8	74	17	1	549	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 35
School: Marshwood Great Works School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	1	0	0	0	0	1	50	1	50	534	1	0	0	50	50	534	4	2	40	34	24	540
B. less than one hour	83	14	9	113	75	23	15	1	1	550	83	9	75	15	1	550	70	6	63	26	6	546
C. one to two hours	16	0	0	21	72	8	28	0	0	546	16	0	72	28	0	546	24	7	61	26	6	546
D. more than two hours	1	0	0	1	100	0	0	0	0	548	1	0	100	0	0	548	2	4	42	33	21	541
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	45	9	11	63	77	9	11	1	1	551	45	11	77	11	1	551	36	10	67	18	5	549
B. good	48	5	6	61	69	21	24	1	1	548	48	6	69	24	1	548	47	5	62	27	6	546
C. fair	7	0	0	11	85	2	15	0	0	546	7	0	85	15	0	546	15	2	47	40	12	541
D. poor	0										0						2	0	30	46	24	537
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	35	8	13	49	77	6	9	1	2	552	35	13	77	9	2	552	31	9	65	20	5	548
B. They match some of what I have learned.	57	4	4	78	75	22	21	0	0	548	57	4	75	21	0	548	55	5	63	27	5	546
C. They match just a little of what I have learned.	7	2	17	8	67	1	8	1	8	549	7	17	67	8	8	549	10	3	45	38	14	542
D. There is no match.	1	0	0	0	0	2	100	0	0	539	1	0	0	100	0	539	3	1	31	41	27	537
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	7	1	8	8	67	3	25	0	0	548	7	8	67	25	0	548	16	3	49	32	15	542
B. about the same as my regular schoolwork	68	9	7	91	74	21	17	2	2	550	68	7	74	17	2	550	64	7	63	25	5	547
C. easier than my regular schoolwork	26	4	9	36	77	7	15	0	0	548	26	9	77	15	0	548	20	5	62	26	7	546
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	2	0	0	2	50	2	50	0	0	542	2	0	50	50	0	542	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	48	7	8	61	73	15	18	1	1	548	48	8	73	18	1	548	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	50	7	8	67	76	13	15	1	1	551	50	8	76	15	1	551	38	10	68	18	4	549
How much time do you spend reading at home each day?																						
A. more than one hour	16	5	17	23	79	1	3	0	0	553	16	17	79	3	0	553	20	10	64	21	5	548
B. 20 minutes to an hour	67	7	6	92	75	21	17	2	2	549	67	6	75	17	2	549	56	7	65	24	5	547
C. less than 20 minutes	9	1	6	11	65	5	29	0	0	546	9	6	65	29	0	546	10	3	52	33	12	543
D. I rarely read at home.	8	1	7	9	60	5	33	0	0	548	8	7	60	33	0	548	14	1	46	38	14	541
How many pages do you read in school and to complete homework assignments?																						
A. five or fewer pages	29	2	4	41	79	7	13	2	4	548	29	4	79	13	4	548	25	3	53	33	11	543
B. six to ten pages	35	8	13	45	70	11	17	0	0	551	35	13	70	17	0	551	26	6	61	26	7	546
C. eleven or more pages	36	4	6	48	74	13	20	0	0	549	36	6	74	20	0	549	49	8	65	23	5	547
Optional school/SAU question																						
A.	39	7	10	48	68	14	20	2	3	549	39	10	68	20	3	549						
B.	48	7	8	68	77	13	15	0	0	550	48	8	77	15	0	550						
C.	13	0	0	18	78	5	22	0	0	547	13	0	78	22	0	547						
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 35
School: Marshwood Great Works School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	23	14	23	14	1711	12
	2007-2008	45	24	45	24	1617	12
	2008-2009	45	24	45	24	2119	15
	Cum. Total*	113	21	113	21	5447	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	96	58	96	58	6778	48
	2007-2008	117	61	117	61	7284	52
	2008-2009	100	54	100	54	7046	50
	Cum. Total*	313	58	313	58	21108	50
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	35	21	35	21	3884	28
	2007-2008	24	13	24	13	3341	24
	2008-2009	31	17	31	17	3193	23
	Cum. Total*	90	17	90	17	10418	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	11	7	11	7	1683	12
	2007-2008	5	3	5	3	1778	13
	2008-2009	8	4	8	4	1638	12
	Cum. Total*	24	4	24	4	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	48	100	29.1	60.6	29.1	60.6	25.5	53.1
A. Number	18	38	12.1	67.2	12.1	67.2	9.8	54.4
B. Data	10	21	5.7	57.0	5.7	57.0	5.2	52.0
C. Geometry	10	21	5.1	51.0	5.1	51.0	4.7	47.0
D. Algebra	10	21	6.2	62.0	6.2	62.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: MSAD 35
 School: Marshwood Great Works School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	184	45	24	100	54	31	17	8	4	553	184	24	54	17	4	553	13996	15	50	23	12	547
Ethnicity																						
African American/Black	2										2						385	6	35	28	30	537
American Indian or Native Alaskan	1										1						110	5	42	34	20	540
Asian or Pacific Islander	0										0						257	19	50	20	12	548
Hispanic	1										1						166	9	43	31	17	543
Caucasian/White	180	45	25	99	55	28	16	8	4	553	180	25	55	16	4	553	13078	15	51	23	11	547
Not Reported	0										0						0					
Identified disability																						
Yes	23	2	9	9	39	6	26	6	26	541	23	9	39	26	26	541	2307	3	32	32	33	536
No	161	43	27	91	57	25	16	2	1	554	161	27	57	16	1	554	11689	17	54	21	8	549
Current LEP																						
Yes	0										0						365	5	33	30	32	536
No	184	45	24	100	54	31	17	8	4	553	184	24	54	17	4	553	13631	15	51	23	11	547
Economically disadvantaged																						
Yes	21	5	24	10	48	6	29	0	0	550	21	24	48	29	0	550	5731	7	46	29	18	542
No	163	40	25	90	55	25	15	8	5	553	163	25	55	15	5	553	8265	21	53	19	7	550
Migrant																						
Yes	0										0						8	0	38	50	13	540
No	184	45	24	100	54	31	17	8	4	553	184	24	54	17	4	553	13988	15	50	23	12	547
Gender																						
Female	103	27	26	54	52	19	18	3	3	553	103	26	52	18	3	553	6889	14	51	23	12	546
Male	81	18	22	46	57	12	15	5	6	552	81	22	57	15	6	552	7107	16	50	23	11	547
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1918	3	39	36	22	539
No	184	45	24	100	54	31	17	8	4	553	184	24	54	17	4	553	12078	17	52	21	10	548
Gifted/talented program																						
Yes	0										0						450	64	34	2	0	564
No	184	45	24	100	54	31	17	8	4	553	184	24	54	17	4	553	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 35
School: Marshwood Great Works School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	1 83 16 1	0 41 4 0	0 27 14 0	0 81 18 0	0 54 62 0	1 24 5 1	50 16 17 100	1 5 2 0	50 3 7 0	529 554 549 532	1 83 16 1	0 27 14 0	0 54 62 0	50 16 17 100	50 3 7 0	529 554 549 532	4 70 24 2	8 15 15 9	38 52 51 37	26 23 23 24	28 10 11 30	539 547 547 539
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	37 49 14 1	27 18 0 0	40 20 0 0	33 53 12 1	49 59 48 100	6 15 10 0	9 17 40 0	1 4 3 0	1 4 12 0	558 551 541 558	37 49 14 1	40 20 0 0	49 59 48 100	9 17 40 0	1 4 12 0	558 551 541 558	34 45 18 3	28 11 3 1	50 54 45 29	14 24 33 41	8 10 19 29	552 546 540 535
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	56 39 4 1	35 10 0 0	34 14 0 0	55 38 6 0	54 54 75 0	10 19 1 0	10 27 13 0	2 4 1 1	2 6 13 100	556 550 543 526	56 39 4 1	34 14 0 0	54 54 75 0	10 27 13 0	2 6 13 100	556 550 543 526	38 48 11 3	22 12 6 6	52 53 40 26	19 24 30 29	7 11 24 38	550 546 540 534
How difficult was the mathematics part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	6 75 19	4 33 8	36 24 23	5 72 21	45 53 60	2 23 5	18 17 14	0 7 1	0 5 3	555 552 554	6 75 19	36 24 23	45 53 60	18 17 14	0 5 3	555 552 554	17 64 19	7 15 24	42 53 49	30 23 17	21 10 10	540 547 550
On average, how many minutes a day do you spend working on mathematics in class? A. less than 30 minutes B. 30–45 minutes C. 45–60 minutes D. more than 60 minutes	4 37 48 11	1 14 26 4	13 21 30 19	4 39 43 13	50 58 49 62	3 10 15 3	38 15 17 14	0 4 3 1	0 6 3 5	549 552 554 551	4 37 48 11	13 21 30 19	50 58 49 62	38 15 17 14	0 6 3 5	549 552 554 551	7 28 41 24	6 9 17 21	39 49 53 51	27 28 21 20	27 15 9 8	539 544 548 549
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	9 40 42 10	4 17 19 5	25 24 25 28	11 38 40 10	69 53 53 56	1 13 14 2	6 18 18 11	0 4 3 1	0 6 4 6	555 551 553 555	9 40 42 10	25 24 25 28	69 53 53 56	6 18 18 11	0 6 4 6	555 551 553 555	6 24 33 38	14 17 17 12	43 52 52 49	24 21 21 25	20 10 9 14	543 548 548 545
How often do you use hands-on materials in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	22 39 29 10	9 19 13 4	23 27 25 21	21 37 30 10	53 52 58 53	6 15 7 3	15 21 13 16	4 0 2 2	10 0 4 11	551 554 553 552	22 39 29 10	23 27 25 21	53 52 58 53	15 21 13 16	10 0 4 11	551 554 553 552	23 31 27 20	13 17 17 12	47 52 52 50	26 21 21 24	15 10 10 14	545 548 548 545
Optional school/SAU question A. B. C. D.	39 48 13 0	18 23 4 0	25 26 17 0	39 46 13 0	55 52 57 0	10 16 5 0	14 18 22 0	4 3 1 0	6 3 4 0	553 553 551 0	39 48 13 0	25 26 17 0	55 52 57 0	14 18 22 0	6 3 4 0	553 553 551 0						

SCIENCE RESULTS

Test Date: March 2009
Grade: 5
SAU: MSAD 35
School: Marshwood Great Works School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	12	7	12	7	626	4
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	110	60	110	60	7187	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	50	27	50	27	4364	31
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	12	7	12	7	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	48	100	31.0	64.6	31.0	64.6	29.2	60.8
D. The Physical Setting	24	50	14.1	58.8	14.1	58.8	12.9	53.8
E. The Living Environment	24	50	16.9	70.4	16.9	70.4	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 5
 SAU: MSAD 35
 School: Marshwood Great Works School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	184	12	7	110	60	50	27	12	7	546	184	7	60	27	7	546	13995	4	51	31	13	543
Ethnicity																						
African American/Black	2										2						382	2	31	32	35	535
American Indian or Native Alaskan	1										1						110	3	36	35	26	538
Asian or Pacific Islander	0										0						256	5	51	27	17	542
Hispanic	1										1						167	1	40	37	22	539
Caucasian/White	180	12	7	107	59	49	27	12	7	546	180	7	59	27	7	546	13080	5	52	31	12	544
Not Reported	0										0						0					
Identified disability																						
Yes	23	2	9	6	26	11	48	4	17	540	23	9	26	48	17	540	2309	2	29	39	29	536
No	161	10	6	104	65	39	24	8	5	547	161	6	65	24	5	547	11686	5	56	30	10	545
Current LEP																						
Yes	0										0						361	1	23	32	44	533
No	184	12	7	110	60	50	27	12	7	546	184	7	60	27	7	546	13634	5	52	31	12	544
Economically disadvantaged																						
Yes	21	1	5	11	52	6	29	3	14	544	21	5	52	29	14	544	5729	2	42	37	20	539
No	163	11	7	99	61	44	27	9	6	547	163	7	61	27	6	547	8266	6	58	27	8	546
Migrant																						
Yes	0										0						8	0	25	13	63	530
No	184	12	7	110	60	50	27	12	7	546	184	7	60	27	7	546	13987	4	51	31	13	543
Gender																						
Female	103	4	4	61	59	30	29	8	8	545	103	4	59	29	8	545	6886	4	49	33	14	542
Male	81	8	10	49	60	20	25	4	5	547	81	10	60	25	5	547	7109	5	54	29	12	544
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1917	1	31	41	28	536
No	184	12	7	110	60	50	27	12	7	546	184	7	60	27	7	546	12078	5	55	30	11	544
Gifted/talented program																						
Yes	0										0						450	25	72	2	1	557
No	184	12	7	110	60	50	27	12	7	546	184	7	60	27	7	546	13545	4	51	32	13	543

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 5
SAU: MSAD 35
School: Marshwood Great Works School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	1	0	0	0	0	2	100	0	0	534	1	0	0	100	0	534	4	2	37	35	25	538
B. less than one hour	83	10	7	95	63	39	26	7	5	547	83	7	63	26	5	547	70	4	53	31	12	544
C. one to two hours	16	2	7	14	48	9	31	4	14	542	16	7	48	31	14	542	24	5	51	31	12	544
D. more than two hours	1	0	0	1	100	0	0	0	0	548	1	0	100	0	0	548	2	4	39	31	26	539
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	26	5	11	28	60	12	26	2	4	548	26	11	60	26	4	548	26	7	56	26	11	545
B. good	57	6	6	64	62	26	25	8	8	546	57	6	62	25	8	546	53	4	53	31	11	544
C. fair	16	1	3	17	57	12	40	0	0	546	16	3	57	40	0	546	18	2	41	39	17	540
D. poor	1	0	0	1	50	0	0	1	50	543	1	0	50	0	50	543	3	1	33	36	30	536
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	17	2	7	17	57	10	33	1	3	547	17	7	57	33	3	547	23	5	56	28	11	544
B. They match some of what I have learned.	46	9	11	49	59	21	25	4	5	547	46	11	59	25	5	547	48	5	52	31	12	544
C. They match just a little of what I have learned.	27	0	0	31	65	13	27	4	8	545	27	0	65	27	8	545	23	4	49	33	14	543
D. There is no match.	11	1	5	13	65	4	20	2	10	546	11	5	65	20	10	546	6	3	40	34	23	539
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	34	5	8	39	63	14	23	4	6	547	34	8	63	23	6	547	23	5	48	31	16	543
B. about the same as my regular schoolwork	52	7	7	58	62	25	27	4	4	547	52	7	62	27	4	547	58	4	52	32	12	543
C. easier than my regular schoolwork	14	0	0	12	48	10	40	3	12	543	14	0	48	40	12	543	19	6	53	29	11	544
How often do you have science classes?																						
A. every day	17	5	16	14	44	11	34	2	6	545	17	16	44	34	6	545	33	5	51	31	14	543
B. a few times a week	46	5	6	50	60	25	30	4	5	547	46	6	60	30	5	547	45	4	52	32	11	544
C. once a week	6	0	0	10	91	0	0	1	9	550	6	0	91	0	9	550	8	4	50	30	16	542
D. a few times a month	31	2	4	36	64	14	25	4	7	546	31	4	64	25	7	546	15	4	52	30	14	543
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	13	1	4	12	52	7	30	3	13	542	13	4	52	30	13	542	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	37	3	4	32	47	29	43	4	6	544	37	4	47	43	6	544	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	23	5	12	27	64	7	17	3	7	549	23	12	64	17	7	549	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	27	3	6	39	78	7	14	1	2	549	27	6	78	14	2	549	21	6	58	27	10	545
How often do you make observations and collect data in science class?																						
A. a few times a week	42	4	5	47	61	21	27	5	6	545	42	5	61	27	6	545	47	4	51	32	12	543
B. a few times a month	37	6	9	40	59	20	29	2	3	548	37	9	59	29	3	548	27	5	54	30	11	544
C. once a month	9	0	0	11	65	4	24	2	12	543	9	0	65	24	12	543	10	5	49	30	15	543
D. never or almost never	11	2	10	12	57	5	24	2	10	549	11	10	57	24	10	549	15	3	48	32	16	542
How often do you use observations and data to support your idea about science?																						
A. a few times a week	46	7	8	47	57	23	28	6	7	546	46	8	57	28	7	546	46	4	52	32	12	543
B. a few times a month	32	3	5	41	69	14	24	1	2	549	32	5	69	24	2	549	28	5	53	30	12	544
C. once a month	10	0	0	12	67	4	22	2	11	544	10	0	67	22	11	544	11	4	47	34	15	542
D. never or almost never	12	2	9	10	45	9	41	1	5	546	12	9	45	41	5	546	15	4	50	30	16	542
Optional school/SAU question																						
A.	39	4	6	49	69	15	21	3	4	548	39	6	69	21	4	548						
B.	48	5	6	51	58	26	30	6	7	546	48	6	58	30	7	546						
C.	13	3	13	9	39	9	39	2	9	546	13	13	39	39	9	546						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number